

## IRRIGATION'S PART AT WORLDS' FAIR

Of the hundreds of thousands of people who have viewed with amazement the magnificent fruits and grains from the Western states, exhibited at the St. Louis fair—far more notable in size, appearance and yield than anything they ever saw in the East—how many of them have realized the cause of this effect? How many of them have thought out the wonderful fact that these products were born upon lands which a few years ago were useless deserts, but now made fertile by the art of irrigation?

No "irrigation exhibits" of prominence were in evidence at this World's fair, as such, yet in everything agricultural they formed a leading part and their withdrawal would have left huge gaps and have taken away the best. Had the products of the dam and the ditch all been labeled "Grown by Irrigation," the irrigation exhibit would have been a very big one. And it seems to me that this would have been a good thing. The West is proud of its irrigation; why not thus call attention to its superiority of production?

### Fabulous Grain Growths.

In grains and grasses Colorado's exhibit led easily, though splendid showings were made by other arid states—Oregon, Washington, Montana, Utah, California—but the Centennial state showed 100 different kinds of grasses and 130 varieties of grain. It had oats eight feet tall and timothy heads eight inches long. It took 346 prizes and 89 gold medals. And its separate fruit exhibit included almost all the products of America except the truly tropical.

Oregon had Mortgage Lifter wheat seven feet tall. Think of a wheat field in which an army of six-foot men would stand concealed. And snow-white onions six inches across. And Idaho and Utah and New Mexico, and all the West set forth a dazzling display of irrigated apples and plums, peaches and grapes of a color, size and beauty which it would take a book to describe.

But ahead of all the West in the extent and variety of her exhibit stood California—California, that vast strip

of golden land reaching from Oregon to Mexico and including the vegetable wealth of the tropics.

### Products of a Great Empire.

Fruit is the mainstay of the Golden state and \$250,000 is represented in her showings at St. Louis. The great palace of agriculture is the largest building of the exposition, covering 16 acres and it seemed as though I would never get outside of the domain of the California exhibit. Single counties made showings creditable for a state. Such things caught the eye as a life-size elephant of English walnuts, the state capital building constructed of almonds, the famous Lick observatory done in dried fruits and big enough to contain several families. The wine exhibit took the grand prize above all foreign competitors. The most luscious and enormous pears, peaches, oranges, lemons, grapefruit, plums, cherries and all kinds of huge vegetables were stacked in rich profusion, alongside of great branches and clusters of fruits of all kinds, showing how things can grow under irrigation. The grape bunches of California are almost of the Biblical kind requiring two men to carry a single bunch. No man can carry the product of a single vine.

### Government Irrigation Dam.

Practical methods of irrigation were demonstrated at the government building by a model of the Salt River valley in Arizona, showing the great government dam now under construction in the mountains and the system of ditches and laterals by which the water is distributed onto the farms and orchards below. Real water was running through these ditches. This great work of Uncle Sam's in Arizona is progressing rapidly. I was told by Engineer Savage, whom I recently met in Montana. A cement mill, to make the 200,000 barrels of cement needed in the masonry, is completed, a \$100,000 mountain road to convey the dam material from Phoenix is finished and most remarkable, the river itself has been carried through tunnels around the dam site, and is furnishing some 1000 electric horse power with which to build the dam. This is to be used to construct the giant works and thus the river will build its own dam and

form a reservoir the greatest in the United States.

### Giant Pumping Machinery.

Of all sizes and classes were the irrigation pumps exhibited in the farm implement department of the St. Louis fair, but more striking than these were the windmills. These busy machines, rearing their tall heads above the surrounding buildings and whirling gaily in the breeze formed a striking example of man's ingenuity in harnessing the elements. The highest of these, built by one of the largest windmill manufacturers, spread its galvanized steel wings 120 feet in the air and with a moderate wind pumped 40,000 gallons an hour. The water gushes up like a fine artesian well and supplies a ditch to irrigate a good-sized farm.

### Irrigation's Future.

What will be the next irrigation exhibit at a World's fair? Some say that for many years to come, this is the last of the big international expositions. If this be so, and it should be 15 or 20 years before another great fair, when one does come, its irrigation exhibit is likely to overshadow everything else in agriculture. The West is at the beginning of great things. The government has undertaken the work of national reclamation of the desert and is pushing the work rapidly. Vast engineering works—huge dams and canals are being constructed in the Western states and territories and as the work proceeds the people will realize its wisdom and worth, and it will be pushed forward still faster. As Engineer Savage remarked: "It is an entrancing work, is it not; this creating of homes for men out of desert waste?"

And so, 20 years from now, if the course of wisdom is pursued and the government irrigation work continues along right lines, and is kept pure of politics and of graft, we may see a West with nearly double its present population and the splendid products of American irrigation reaching to every nook and corner of the world. —Guy E. Mitchell.

### Land Scrip for Sale.

Forest reserve scrip for securing title to timbered or agricultural land for sale at lowest market prices. H. M. Hamilton. The Portland, Portland, Or.

Try a pair of our Bunker Hill school shoes. A doll free at Teutach's.

## We Will Buy

A 50c. Bottle of Ligozone and Give it to You to Try

Ligozone is the only way known to kill germs in the body without killing the tissues, too. It is the only way to end the cause of any germ disease. It is also a vitalizing tonic with which no other known product can compare. It is new in America, and millions who need it don't know of it. For that reason, we make this remarkable offer. We will buy the first bottle and give it to you if you need it. We will do this gladly to let the product itself show you what it can do.

### We Paid \$100,000

For the American rights to Ligozone—the highest price ever paid for similar rights on any scientific discovery. We did this after testing the product for two years, through physicians and hospitals, in this country and others. We paid it because Ligozone does what all the skill in the world cannot do without it. Any drug that kills germs is a poison, and it cannot be taken internally. Every physician knows that medicine is almost helpless in any germ disease.

### Not Medicine.

Ligozone is the result of a process which, for more than 20 years, has been the constant subject of scientific and chemical research. Its virtues are derived solely from gas, made in large part from the best oxygen producers. By a process requiring immense ap-

paratus and 14 days' time, these gases are made part of the liquid product.

The result is a product that does what oxygen does; and oxygen is the very source of vitality, the most essential element of life. The effects of Ligozone are exhilarating, vitalizing, purifying. Yet it is a germicide so certain that we publish on every bottle an offer of \$1,000 for a disease germ that it cannot kill. The reason is that germs are vegetables; and Ligozone—like an excess of oxygen—is deadly to vegetable matter. That is why Ligozone kills every disease germ, and with a product which to the human body is life.

### Germ Diseases.

These are the known germ diseases. All that medicine can do for these troubles is to help Nature overcome the germs, and such results are indirect and uncertain. Ligozone kills the germs, wherever they are, and the results are inevitable. By destroying the cause of the trouble, it invariably ends the disease, and forever.

**Asthma**  
Anemia  
Bronchitis  
Blood Poison  
Bright's Disease  
Bowel Troubles  
Coughs—Colds  
Consumption  
Colic—Croup  
Constipation  
Catarrh—Cancer  
Dysentery—Diarrhea  
Dandruff—Dropsy

**Hay Fever—Influenza**  
Kidney Diseases  
La Grippe  
Leucorrhea  
Liver Troubles  
Malaria—Neuralgia  
Nervous System  
Piles—Pneumonia  
Rheumatism  
Scabies—Scald  
Skin Diseases  
Scrofula—Syphilis  
Stomach Troubles

Drugs—  
Erysipelas  
Fever—Gall Bladder  
Gout—Gonorrhea—Gleets  
Hemorrhoids  
Hysteria  
Measles  
Mumps  
Nervous Debility  
Pneumonia  
Rabies  
Scarlet Fever  
Smallpox  
Tetanus  
Typhoid  
Whooping Cough  
Yellow Fever

### 50c. Bottle Free

If you need Ligozone, never tried it, please send coupon. We will then mail you a 50c. bottle of Ligozone. If you are already using it, we will pay you for it. This is a gift, made to convince you of what Ligozone is, and to do. In justice to yourself, accept it to-day, for it places no obligation whatever.

Ligozone costs 50c. and 10c.

**CUT OUT THIS COUPON**  
For this offer may not appear until the blanks and mail it to the Ligozone Co., 458-460 Wabash Ave., Chicago.

My disease is.....  
I have never tried Ligozone, but supply me a 50c. bottle free I will.....  
1 3 4  
G E Give full address—no money

Any physician or hospital not yet used will be gladly supplied for a trial.

### STOCKMEN TO REORGANIZE.

Executive Committee of National Association Reports a Resolution.

The following resolution, looking to the complete reorganization of the National Livestock Association, has been prepared by the national executive committee and will be presented to the coming convention at Denver: "Resolved, That for the purpose of considering a revision of the constitution and by-laws, a committee be appointed, consisting of three representatives from each of the following industries: Cattle growers, sheep

growers, stock feeders, swine growers, railroads, packing houses, stockyards, commission men, and pure-bred record associations. Said representatives may be suggested by those in the convention representing the various interests named or they may be named by the president. Said committee shall meet at once and report back to this convention as soon as possible with such recommendations as it may decide upon."

### Bay State Gas Hearings.

Wilmington, Del., Nov. 28.—The suit brought by Receiver Pepper, of

the Bay State Gas Company, cover \$75,000,000 from the directors of the Bay State Gas Company, came up for hearing in United States court here today. Archibald, of the central Pennsylvania, presiding.

10,000 in stock was illegal and, therefore, seeks to recover amount from the officers of pany and J. Edward Adair hearing with continue session.

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Our line of Japanese ware is larger and more varied than ever.



A personal friend purchased our vase lamps in New York this year, and thus cut out the wholesaler's profit. We have them from \$3.85 up. Other lamps from 20c up.



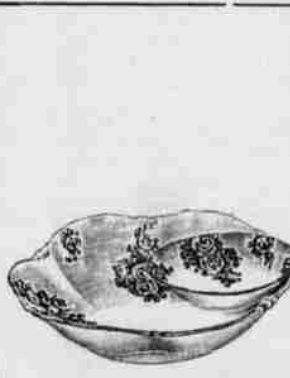
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Our line of hand-painted French China is guaranteed all hand work. Do not compare with retouched Italian ware. There is no comparison. Come in and we will show you the difference.



We can fit you out in Haviland or German China Dinner sets of any size, as we carry both in open stock. Also a large line of English white and decorated semi-porcelain in any size set.



Have you passed judgment on our Salad sets and bowls? Positively, this year we have the best values we ever had! We have some real pretty ones as low as \$1.20 per set.



Pictures, framed and unframed. Our success with this line last season led us to put in a larger line than ever. These range from 5c up. Look long, 5c. See our line. The price over our line when you come in.



Footed Bon Bons in Japanese and German China make nice presents.



Dolls for boys, and dolls for girls. Kid dolls, bisque dolls, and dolls and just dolls. Doll seven and one-half inch. will do your pocket good.

### 10 Cent Bargains

- Men's fleece-lined, buckskin tipped gloves.
- Men's 25c neckties and suspenders.
- Men's 15c and 25c linen collars.
- 25c bottle carbolated vaseline.
- 25c bottle glycerine. Combs.
- Large dinner plates with floral decorations.
- Large cup and saucer.
- Child's dinner set; child's broom.
- New testaments, Xmas books.

### PRES CUT: THE NEW GLASSWARE.



Looks like cut glass. Only experts can tell the difference. Our first lot is almost gone—a new lot is on the way from the factory.

### 25 Cent Bargains

- Celluloid collar, cuff and card cases.
- Bath towels, fancy table covers.
- 50c child's two-wheeled cart.
- Combined barometer and thermometer.
- 50c water pistols, for bad boys or dogs.
- Fancy photo frames with metal corners.
- Albums, leather-bound testaments and dictionaries.
- Suspenders, boys' hats and girls' caps.
- Men's muleskin, double-faced gloves.
- Jardinieres, vases, cups and saucers.

In our new five, ten, fifteen and twenty-five cent bargain department we have endeavored to follow the Eastern idea of selling anything we could find, that is a bargain at these popular prices. We have these on our balcony and will add to them as they increase in popularity.



Grotesques of all sorts and prices.



IT'S TIME TO SEE US NOW.



Our line of cut glass is most elegant.

## OWL TEA HOUSE